

PATENT ABSTRACTS OF JAPAN

RECEIVE 01-111338

SEP 1 6 2003

<u>TC 1700</u>

(11) Publication number:

(43) Date of publication of application: 28.04.1989

(51) Int. CI.

H01L 21/304 B08B 3/08

(21) Application number : 62-269918

(71) Applicant : SONY CORP

KYORITSU SEISAKUSHO:KK

(22) Date of filing:

24. 10. 1987

(72) Inventor: KOYATA SAKUO

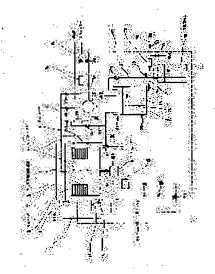
WATABE HIROSHI

(54) CLEANING AND CLEANING APPARATUS

(57) Abstract:

PURPOSE: To effectively remove a fine dust particle adhered to an object to be cleaned due to static electricity by a method wherein the object to be cleaned is cleaned repeatedly by alternately using alcohol and pure water.

CONSTITUTION: A lid 2 of a chamber 1 is opened; a wafer carrier 8 is housed inside a carrier-housing jig 5; after that, the lid 2 is closed. Then, an exhaust damper 11 is closed; a rotary plate 3 is turned by using in air motor 4; when the preset number of revolutions is reached, alcohol 18 and pure water are sprayed alternately from a shower nozzle 6; while this operation is repeated, the wafer carrier 8 is cleaned by a collision with a sprayed mist particle due to a turning operation and an action of a centrifugal force. By a multiplier effect of an action to remove electricity due to a cleaning operation by using alcohol, a hydrophile substitution action and a



subsequent cleaning effect by using pure water, a fine dust particle adhered to an object to be cleaned due to static electricity can be effectively removed.

LEGAL STATUS

registration]

[Date of request for examination] [Date of sending the examiner's decision of rejection] [Kind of final disposal of application other than the examiner's decision of rejection or application converted